

**ABSTRACT OF THE DISCLOSURE**

A method for producing a molded flip chip package is described. The incomplete flip chip package comprising a thin substrate and a silicon chip is placed in a mold. A resin, preferably epoxy, is injected into the mold filling the gap between the surface of the flip chip and the adjacent substrate. Additionally, a stiffening structure is formed to  
5 increase the overall rigidity of the thin substrate specifically and the package as a whole.